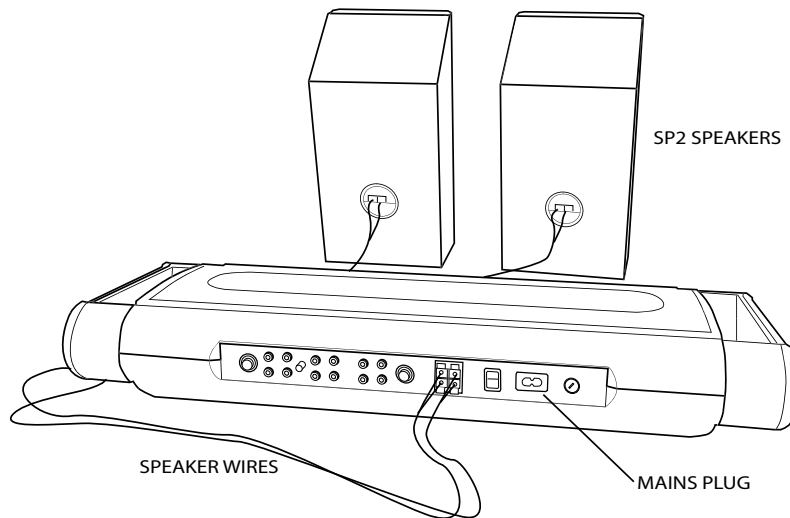


WELCOME TO THE WORLD OF HOME MIX

Congratulations, you have joined one of the many people who have chosen the HomeMix DJ System for all their mixing needs. As usual we ask you to study this entire manual to familiarise yourself with the operating controls of the unit, however we also realise that most people only read this manual when something goes wrong! So especially for you, we have provided the following easy to understand 'fast set up diagram' which will ensure you are mixing in the fastest possible time. For further in depth knowledge of how to use the HomeMix, please read the contents of this manual in its entirety, if you can fit it into your busy DJing career.

CONTENTS

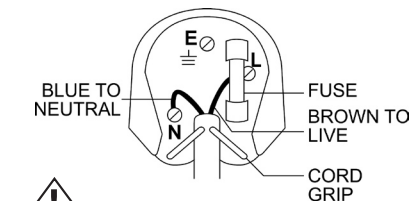
- 1 Welcome
- 2 Safety instructions
- 3-4 Features and controls
- 5-8 Getting connected
- 9-13 Getting going
- 14 Troubleshooting
- 15 Get in touch



SAFETY INSTRUCTIONS

PLUG FITTING

INSTRUCTIONS (UK ONLY)



ATTENTION

UNDER NO CIRCUMSTANCES MUST THE LIVE OR NEUTRAL WIRES BE CONNECTED TO THE EARTH TERMINAL IN A 3-PIN MAINS PLUG.

FOR SAFE AND EFFECTIVE OPERATION

For your convenience a mains plug with a fuse has been fitted to this appliance. For your safety please observe the following information.

- Should the fuse fail in the plug remove the plug from the wall socket and replace the fuse with a 3 Amp ASTA approved BS1 362 fuse.
- Never use the plug without the fuse cover fitted. Replacement fuse covers are available from your dealer.
- If the mains plug is cut off from the cable, rewire the replacement plug in accordance with the instructions given in this manual.

CAUTION: UNDER NO CIRCUMSTANCES SHOULD THE DISCARDED PLUG BE INSERTED INTO A MAINS SOCKET. TO PREVENT A SHOCK HAZARD, CAREFULLY DISPOSE OF THE DISCARDED PLUG. DO NOT LEAVE THE PLUG LYING AROUND WHERE CHILDREN MIGHT FIND IT.

- The wire which is coloured blue or black must be connected to the terminal with the letter N or coloured black
- The wire which is coloured brown must be connected to the terminal which is marked with the letter 'L' or coloured red. Only a 3 Amp fuse should be fitted in the plug, or a 5 Amp fuse at the distribution board.

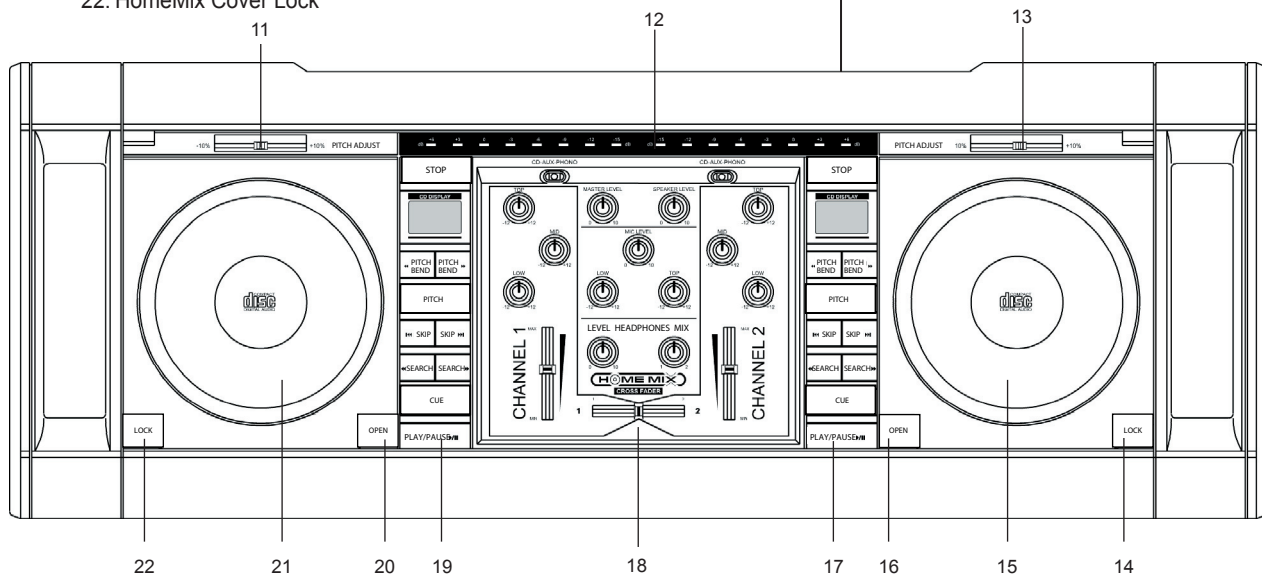
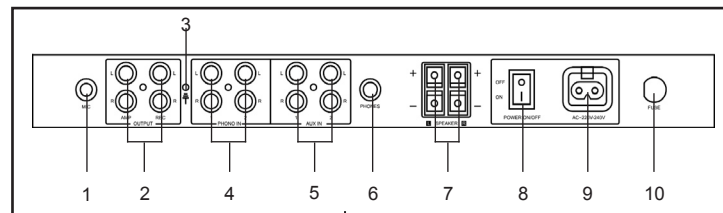
CAUTION: DANGEROUS VOLTAGES EXIST INSIDE THIS UNIT. DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DISCONNECT FROM MAINS SUPPLY WHEN NOT IN USE.

- Select the installation location of your unit carefully. Avoid placing it in direct sunlight, or in locations subject to vibration, excessive dust, heat, cold or moisture. Keep away from sources of hum, such as transformers or motors.
- Do not use this player where there are extreme temperatures (below 5°C or exceeding 35°C).
- Do not open the cabinet as this might result in damage to the set, or electrical shock.
- Be sure your hands are clean when handling discs. Never use a cracked or warped disc.
- When disconnecting the power cord from the AC outlet always grasp it by the plug, never pull the cord.
- Do not use force when operating the switches and buttons.
- Before moving the set, be sure to disconnect the power cord and all connecting cables.
- To keep the laser pick-up clean, do not forget to close the disc tray.
- Do not attempt to clean the unit with chemical solvents as this might damage the surface, simply use a clean, dry cloth.
- If the unit malfunctions, do not open the cabinet and attempt to repair yourself. Always request services at an authorised service centre. •Keep this manual in a safe place for future reference.

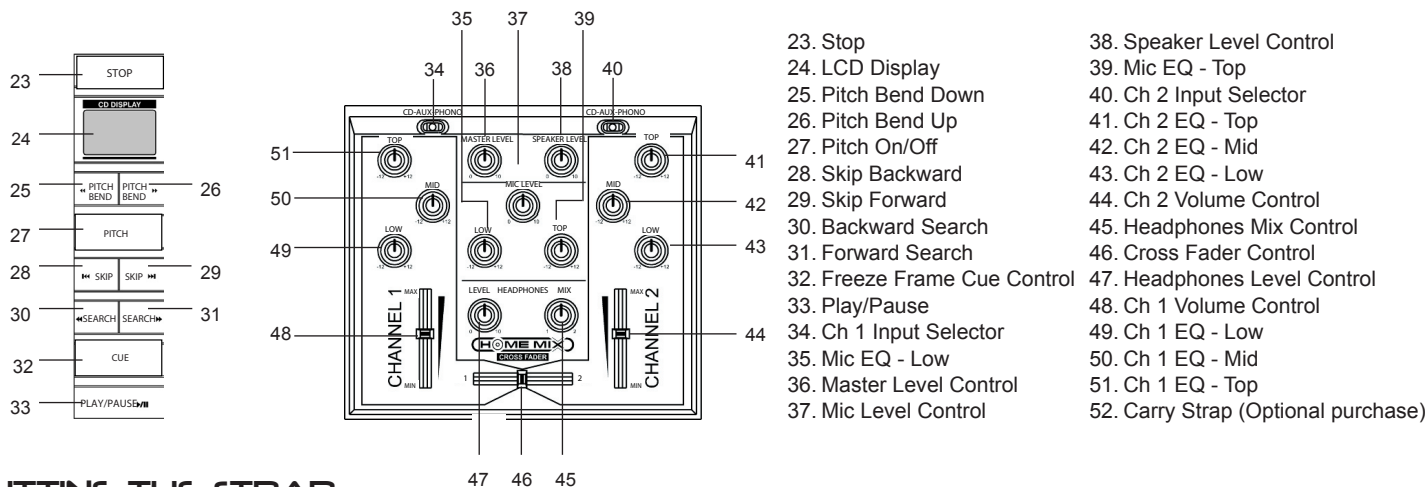
FEATURES AND CONTROLS

1. Mic Input
2. Amp/record Outputs
3. Ground Connection
4. Phono Inputs
5. Aux Inputs
6. Headphone Socket
7. Speaker Connections
8. Power On/Off
9. AC Power Input
10. Fuse (1 Amp) Fast Blow
11. L. Pitch Control
12. LED VU Indicators
13. R. Pitch Control
14. HomeMix Cover Lock
15. R. CD Lid
16. R. CD Lid Open Button
17. R. CD Controls
18. Mixer Controls
19. L. CD Controls
20. L. CD Lid Open Button
21. L. CD Lid
22. HomeMix Cover Lock

REAR PANEL



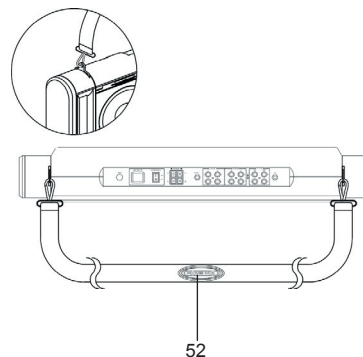
FEATURES AND CONTROLS



FITTING THE STRAP

The HomeMix unit has been fitted with metal location brackets for the fixing of an optional shoulder strap. These brackets are located on the rear of the unit housed within the two end handles (see diagram right). These can be eased out of their location slots using a flat blade screwdriver; care should be taken with this operation to avoid damage to the HomeMix unit, or injury through misuse of this tool. If you find that excessive force is required to move these brackets, then the four screws that fasten the end handles to the body of the unit can be loosened to aid this process. Only loosen these screws marginally, total removal of the handle will not be necessary.

The optional shoulder strap is fitted with a sprung loaded catches which are designed to pass through the hole in the centre of the location bracket. Please ensure that the sprung loaded catches fitted to this strap have been located properly before lifting the unit using this strap.



GETTING CONNECTED

The HomeMix DJ System is a self contained mixing package designed for aspiring DJs who normally would have little or no real DJing experience. Alternatively more experienced operators may use the HomeMix for back up or occasional recreational purposes.

The HomeMix is not designed for continuous use in acrid environments, it is not a professional piece of DJ equipment and is not suitable for constant exposure to heavy road use.

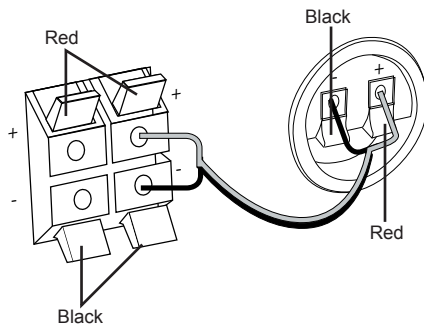
The HomeMix was designed to offer a DJing experience at an affordable price, and will generally be used in the home.

To enable the HomeMix to operate the following external pieces of equipment will be required:

- Loudspeakers (HomeMix SP2 monitors and leads are recommended for low power monitoring applications)
- Headphones (HomeMix Cans1 are suggested)
- Microphone (HomeMix MC1 is suggested)
- Mains lead (supplied in box)

CONNECT THE LOUDSPEAKERS

HomeMix speaker outputs SP2 speaker inputs



The following paragraphs explain how to connect the above equipment:

If you are using the SP2 monitors, carefully unpack these from the outer carton taking care not to damage the speaker driver units. The SP2 are fitted with a cloth grill for loudspeaker protection, they can be used with these grilles removed but care must be taken to avoid accidental damage to the loudspeaker components.

Unpack the speaker wire provided. If you are using existing speaker units use proprietary speaker wire, this normally is 2 core and carries an identification line, or colour, to denote the polarity of the wire.

This wire is now ready to connect between HomeMix and loudspeaker.

Using your striped wire identify the core which carries the identifying line (the wires may alternatively be coloured red and black). The lined or red coloured wire needs to be connected to the red terminal on the back of the HomeMix unit. (The terminals are sprung loaded and should be pushed down which will open a hole for the speaker wire to be inserted into, release this clip to trap the speaker wire. This has now made contact).

GETTING CONNECTED



ATTENTION

CARE SHOULD BE TAKEN TO ENSURE THAT THE SPEAKER CORE WITH THE POLARITY LINE IS CONNECTED TO THE RED TERMINAL ON BOTH THE LOUDSPEAKER AND REAR OF THE HOMEMIX UNIT. IF THESE WIRES ARE NOT CONNECTED IN THIS FASHION, A POOR OR WEAK SOUND MAY RESULT.



TIP

By placing the speakers as far apart as possible, away from the HomeMix, a better stereo image will result. The bass content of the music may be enhanced if the speakers are positioned in the corner of a room. The walls reflect the sound and therefore the sound radiates from the rear of the loudspeakers.



CONNECT THE HEADPHONES

HomeMix Cans1

Using the remaining core of the speaker wire open the black terminal of the speaker output and insert this wire.

The other end of this wire should now be connected to the rear of the loudspeaker. The terminals on the back of the loudspeaker should be similar in operation to those on the HomeMix.

Place this loudspeaker to the side of the HomeMix gaining as much distance from the HomeMix as possible.

Repeat the above process for the connection of the other loudspeaker.



CONNECT THE MIC

HomeMix MC1

We suggest that the HomeMix Cans1 headphones are used with this product, however virtually any headphone set fitted with a 6.4mm stereo jack plug can be connected to the HomeMix. It is not recommended to use headphones that have a low impedance (8-16 Ω) as this may result in an increased load on the internal amplifier that serves the headphones.

If using the Cans1, carefully unpack these from the protective packaging and uncoil the lead.

Place the 6.4mm stereo jack plug into the headphone socket (6) that is located on the rear of the HomeMix.

Care should be taken with any wires that are trailing to avoid accidental damage caused by them being kicked, or dragged, during movement around the unit.

Again we suggest the HomeMix MC1 microphone, however virtually any microphone fitted with a 6.4mm jack can be used.

The input socket for the microphone is located on the rear of the unit (1).

Push the 6.4mm jack plug into this socket ensuring that it is pushed as far into the socket as possible.

As with the headphones, care should be taken to avoid accidental damage to the HomeMix or the microphone if the wire is kicked or dragged.

CONNECT THE POWER



AC~220V-240V

The HomeMix unit is supplied with one power lead that covers all power requirements.

The mains lead will be located in the HomeMix box.

One end of this plug will be fitted with the required mains wall plug dependant upon your country, the other end will have a small IEC connector which locates in the rear of the HomeMix unit.

Place the IEC connector in the rear of the HomeMix unit, in the mains inlet socket (9), ensuring that it is pushed as far into the socket as possible.

Place the mains wall plug into a suitable mains wall socket.

Switch mains power on, if the wall socket has an on/off switch.

All necessary connecting leads are now in place and you are now ready to start DJing with the HomeMix DJ System.

CONNECT THE HOMEMIX TO A BIGGER AMPLIFIER



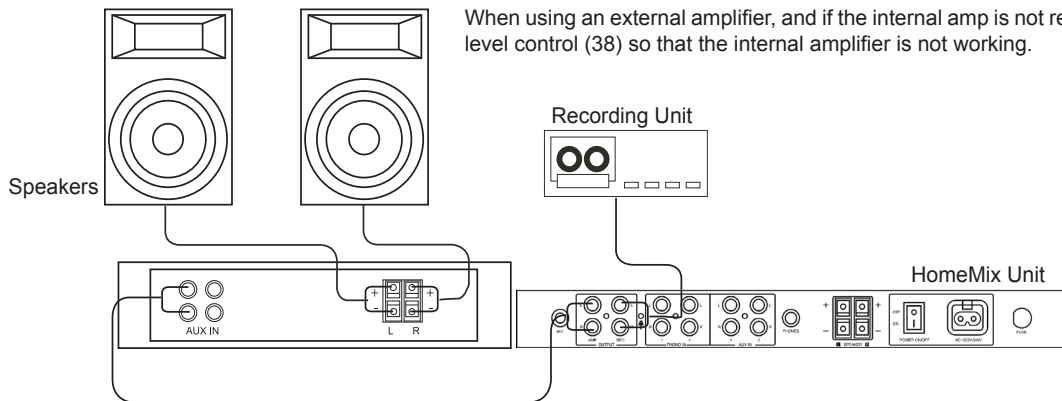
ATTENTION
External Amp: Do not connect SP2 speakers to Ext Amp.

The HomeMix can be connected to a bigger external amplifier if higher power applications are required.

The external amplifier connections are located on the rear of the HomeMix unit (2), a suitable pair of signal leads will be required which have RCA phono plugs to connect to the HomeMix, and the corresponding plugs required to connect to the amplifier. Additional loudspeakers will be required to connect to this amplifier (it is not recommended that SP2 loudspeakers are used with higher powered amplification equipment).

The signal level that is fed to the external amplifier is controlled by the master output level control (36). The speaker level control (38) adjusts only the signal that is fed to the internal amplifier, however it is fed from the level of the master output level control (36).

When using an external amplifier, and if the internal amp is not required, you should turn down the speaker level control (38) so that the internal amplifier is not working.



AMP/RECORDING OUTPUTS

Variable signal levels set by mixer level and master controls

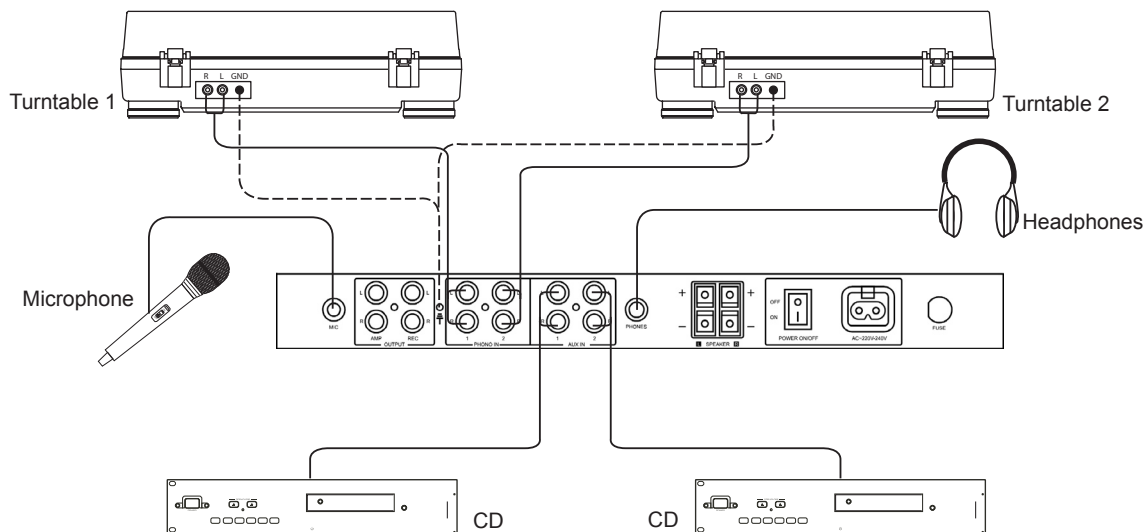
AMP LEVEL: 0dB = 775mV

RECORD LEVEL: 0dB = 250mV

CONNECTING THE HOMEMIX TO OTHER EQUIPMENT

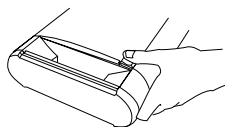
The HomeMix unit is fitted with inputs to accept music sources from additional pieces of equipment. Turntables can be used with the HomeMix as long as they are fitted with a magnetic cartridge and are fitted with RCA Phono connectors. To connect a turntable decide which channel you wish to operate the turntable on, and then locate the corresponding Phono input sockets (4) on the rear panel of the HomeMix. Firmly push the red RCA Phono plug on to the corresponding red Phono input socket, and then repeat this for the white socket. If the turntable has a terminal earth wire (normally a black covered thin single wire) this should be connected to the earth grounding post (3). Failure to connect this wire will result in an electrical buzzing noise. To operate the turntable ensure the input selector switch (34 or 40) on the corresponding channel is switched to Phono and operate the turntable in the normal way. The mixer controls operate in the same fashion as is described later in this book.

To connect an additional line source to the HomeMix, proceed as described above, however the AUX input sockets (5) on the rear of the HomeMix are used. Ensure that the input selector switch (34 or 40) corresponds to the AUX position. Line sources such as tape or mini disc do not normally require an additional earth wire.



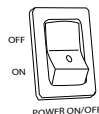
GETTING GOING

REMOVE THE TRANSPORTATION LID



The HomeMix unit has a convenient integral lid that is designed to protect the CD and mixer controls during transit. Once all connections have been made and checked to be OK, it is necessary to remove this lid before operation. Depress the two blue lid release buttons located on the top of the unit to the far left and the far right (14 & 22). The lid will rise slightly upon depressing these buttons; the lid should be carefully lifted from the base, taking care to remove it squarely, in order not to damage the hinge mechanisms. The lid should be stored in a safe position.

SWITCH ON THE HOMEMIX UNIT

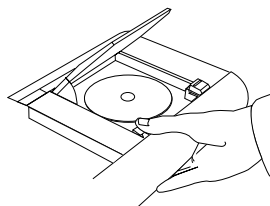


The main power switch (8) for the HomeMix is located on the rear of the unit to the side of the mains power input socket (9).

CHECK THE HOMEMIX IS WORKING

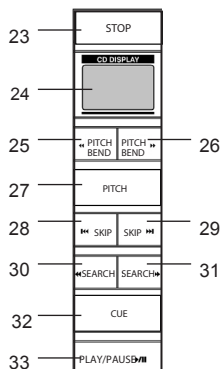
If the HomeMix unit is working the LCD displays should be illuminated, with the default display showing 'NC+0%'. There should also be a subtle noise coming from the loudspeakers, this could be best described as a faint hiss or faint hum, if there is more noise than just a faint hiss or hum, it may be an indication that there is a problem with your HomeMix unit, or some of the connections to it.

LOADING CDs

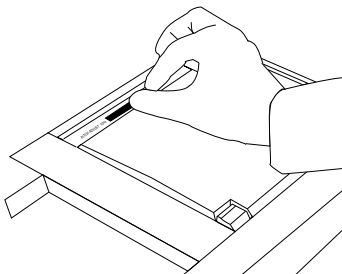


The CD mechanisms in the HomeMix are protected by ABS covers. These need to be raised before CDs can be placed in the unit. To lift these lids depress the open button (16 or 20) that is located opposite the blue cover lock (14 or 22). The lid will raise upon the pressing of this button. Once the lid is open, place the CD into the HomeMix unit with the printing on the CD uppermost. The HomeMix is fitted with personal stereo type CD mechanisms that require the CD to be pushed onto the spindle firmly, please ensure that the CD has located properly onto this spindle before the CD lid is closed. Re-close the CD lid by gently pushing down on the cover, this lid will click shut once closed.

GETTING GOING PLAYING CDs



CHANGING THE PITCH OF A CD



To play a CD press play/pause (33) on the CD controls, these are located along-side the CD lids. The CD player will automatically start playing track number 1 by default.

- To advance the CD on to further tracks press the skip >> button (29), this will skip on to the next track, and continue to advance every time this button is pressed.
- To search through the track that is currently being played, press the search >> button (31) for forward searching of the track, or << search button (30) for backwards searching of the track.
- To pause the track that is currently being played, press the play/pause button (33), the CD will remain paused until the pause button is pressed again, when the track will continue to play.
- To stop the CD from playing press the stop button (23). This will cease any playing of the CD, which can be started by pressing play (33).
- To activate cue monitoring, press cue button (32). This allows the monitoring of each frame of a paused CD, allowing each frame to be selected by pressing the search buttons (30 or 31). The cue button is used for monitoring applications to locate beats for mixing purposes. The cue function is released by pressing the cue button for a second time; with the cue function released when the CD is in pause mode there is no audible sound.

The HomeMix unit is able to change the pitch (speed) of a CD by use of the +/- 10% pitch adjust fader (11 or 13).

To activate this function, depress the pitch button (27). An indication of the pitch of the CD will be displayed in the LCD window (24). The pitch will be displayed as 0% as the CD is played and the word "pitch" will appear within the LCD window.

By moving the CD pitch adjustment slider (11 or 13) either left or right the speed of the CD can be adjusted from -10% to +10% of the normal playing speed of the CD.

Pitch adjustment is necessary for the fine alteration of the speed of CDs to allow different tunes with similar tempos to be matched beat for beat. By matching the speeds of similar tracks, continuous mixes can be achieved as one beat can be laid on top of the other. It is sometimes necessary to change the pitch of a music track by fine adjustment, this can be achieved by using the pitch bend buttons. By holding down the pitch bend 'down' button (25) the pitch of the track is instantly reduced to -10%, upon release of this button the pitch will return to the position set by the pitch control (11 or 13). This process is the same for pitch bend 'up' (26), and the speed will increase to +10% until released.

GETTING GOING

PRODUCING SOUND FROM THE HOMEMIX



TIP

Both the master output control and the speaker level knob need to be adjusted for sound to be output when using speakers connected to the HomeMix. If the master output level is on zero, regardless of the position of the speaker level control, no sound will be heard.

Having ensured that all connections to the HomeMix are correct, and that a CD is playing in the CD compartment, you are now able to hear sound from the system.

Initially we suggest that the master level control (36) and the speaker output control (38) are adjusted to approximately 10 o'clock (a third of their travel). This will give enough sound to be heard, but is not enough volume to damage speakers should an accidental overload result.

Please ensure that the crossfader (46) is in the central position.

Ensure that the input selector switches (34 or 40) are set to CD.

Check to see if the CD is playing.

By pushing up the channel 1 fader (48) music should now be heard coming from the speakers.

By pulling down channel 1 fader (48), and by pushing up channel fader 2 (44), the sound of the other CD player can now be heard.

The further up the channel faders are pushed, the louder the music source will be heard.

ADJUSTING THE TONE OF THE MUSIC

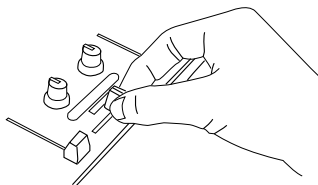
The HomeMix is equipped with 3 band tone equalisation on each music channel. These controls can be used for creative mixing once basic mixing techniques have been mastered.

Initially the tonal qualities of the music can be adjusted by rotating the Bass (49 or 43), Middle (50 or 42) and Treble (51 or 41) controls, anti-clockwise to decrease these frequencies, or clockwise to boost them.

The tone of the music is generally down to individual taste, however we would not recommend that these controls are used in the maximum position for prolonged lengths of time, especially at high volumes, or damage to the speakers will probably result.

GETTING GOING

USING THE CROSSFADER



TIP

If the beats are not matched the resulting sound can sometimes be a mismatch of beats that actually sounds dreadful; this is what's called in the trade 'Crashing the mix'...not cool!

USING THE HEADPHONES



ATTENTION

PERMANENT HEARING DAMAGE CAN RESULT FROM LONG-TERM EXPOSURE TO HIGH MUSIC LEVELS. CARE SHOULD BE TAKEN TO AVOID PROLONGED EXPOSURE, OR PRECAUTIONARY MEASURES SHOULD BE TAKEN TO PROTECT YOUR HEARING.



TIP

Always ensure that either the relevant channel fader is down, or the crossfader is away from the channel that you wish to cue in your headphones. Failure to do this will result in the music that you are cueing up in your headphones to be output from the speakers on top of the track which you are playing.

The HomeMix is equipped with a 45mm swift crossfader (46).

The function of the crossfader is to allow a seamless mix from one music channel to the other by moving the crossfader from one side to the other.

If the crossfader is placed in its central position both channels 1 and 2 can be heard. If the crossfader is moved to the left, it will only allow sound from channel 1 to be heard through the speakers. If the channel 2 fader (44) is pushed up to attain some sound, with the cross fader in this position, no sound from channel 2 can be heard.

If the crossfader is now moved from this left position over to the right position, the sound from channel 1 will reduce, and the sound from channel 2 will increase.

Conversely if the crossfader is now moved back to the left position, sound from channel 2 will reduce, and sound from channel 1 will increase.

The crossfader can be used to great effect if beat matching is practised so that when the crossfader is moved from left to right or vice-versa, the beats of the relative tunes are matched, and a fluid mix is achieved.

The HomeMix is fitted with a progressive cue mix arrangement. The idea of a cue facility is to allow a new track to be lined up or manipulated before it is required to be played.

The volume of the headphones is controlled by level control (47). The HomeMix is fitted with a powerful headphone amplifier for use in heavy volume environments, however please ensure that headphones are used at safe listening levels.

The HomeMix allows you to listen to each channel individually before the music is required in your performance.

By turning the cue mix control (45) completely anti-clockwise, only music played in channel 1 can be heard in the left side of the headphones. By turning the cue mix control (45) completely clockwise, only the music in channel 2 can be heard in the right side of the headphones. By having the control somewhere between these two positions you are able to mix the two music channels within the headphones only.

This is a progressive cue mix control. This allows you to sample the action of the crossfader within your headphones prior to doing it for real. You will be able to determine if your beat matching is correct, and will be able to assess the quality of your mix before you share it.

GETTING GOING

USING THE MICROPHONE



TIP

Do not turn the level of the mic up to such a degree that feedback starts to occur. Feedback is an instantly recognisable howl of high-pitched sound emanating from the speakers, and can be reduced by turning the mic level down. Moving the speakers as far from the mic as possible can reduce feedback. Nobody likes feedback, so try to avoid it like the plague!

Having plugged the microphone in to the socket (1) on the rear of the HomeMix, it is now ready for use.

There are three controls on the HomeMix that have an effect on the microphone:

Mic level control (37), Bass (35) and Treble (39).

Ensure that the Mic level control (37) is completely off (turned completely anti-clockwise), and that the Bass control (35) and the Treble control (39) are in the 12 o'clock position (straight upwards).

If the microphone is fitted with a switch ensure that this is pushed to on.

Talk softly into the mic, and at the same time raise the Microphone level control (37) to a point where the desired level of sound is heard.

More or less volume from the microphone can be gained by adjusting the mic level control (37) respectively. Once you have adjusted your microphone to a satisfactory working level, the tone of the microphone can be fine-tuned in line with your requirements.

TROUBLE SHOOTING

This section of the manual is designed to help you if you are experiencing problems with the HomeMix unit:

THE HOMEMIX DOES NOT POWER UP

- Check to ensure mains plug is pushed firmly into the wall, and the other end is secure in the back of the HomeMix.
- Check to ensure that the power switch (8) on the rear of the unit is on.
- Check the fuse in the mains plug.
- Check the fuse in the rear of the HomeMix unit (10).

NO SOUND IS COMING FROM THE HOMEMIX

- Ensure that the speaker wires are connected properly in the back of the HomeMix, and into the back of the speaker cabinets.
- Ensure the power switch (8) on the rear of the unit is on.
- Ensure that a CD, or other music source, is playing on one channel.
- Ensure that the channel input switch (34 or 40) corresponds to the music input source that you are playing (CD, Aux or Phono).
- Ensure that the channel volume slider (48 or 44) is pushed up and the cross fader is set to the channel playing.
- Ensure that the master output level control (36) is turned up.
- If using speaker cabinets, ensure that the speaker volume (38) is up also.

SOUND FROM THE HOMEMIX IS DISTORTED

The HomeMix is fitted with sensitive protection circuitry designed to safeguard this piece of equipment.

- Check to ensure that no bare speaker wires are touching.
- Check to ensure that speaker impedance is not below 8Ω.
- Do not connect more than one 8Ω pair of speakers to the HomeMix.

CD DOES NOT PLAY

- Ensure that the CD is the right way around; the label printing should be facing upwards.

- Ensure that the CD is pushed firmly on to the CD mechanism.
- Ensure that you have pressed play (33) and the CD is rotating.

HEADPHONES DO NOT WORK

- Ensure that the headphone plug is pushed firmly in to the headphone socket (6).
- Ensure that the headphone volume (47) is turned up.
- Ensure that the headphone mix control (45) is positioned to the channel that you require.

MICROPHONE DOESN'T WORK

- Ensure that the microphone plug is pushed firmly into the microphone socket (1) on the rear of the unit.
- Ensure that the switch on the microphone is on.
- Ensure that the mic level (37) is raised.

PITCH CONTROL / PITCH BEND DO NOT WORK

- Ensure that pitch button (27) has been depressed (the word 'pitch' will appear on the LCD (24) display once activated).

CUE FUNCTION DOESN'T WORK

- Ensure that cue button (32) has been depressed (the word 'cue' will appear on the LCD (24) display once activated). Cue feature only works when CD is in paused mode.

TURNTABLE (WHEN CONNECTED) HAS BUZZING NOISE

- Ensure earth wire is connected to earth grounding post (3).
- Ensure head shell is tight on turntable.

These are basic troubleshooting areas, if you are still experiencing problems with your HomeMix unit then please call our helpline where an operator will be happy to assist:

In the UK: 01327 340601. Outside of the UK: +44 1327 340601.

The Helpline is manned from 9:00hrs to 16:30hrs, Monday to Friday.

GET IN TOUCH

Please feel free to write or telephone us with any ideas that you feel could improve our products.
Please write to:

Acoustic Solutions Ltd
Grand Union Buildings
54 High Street
Weedon Bec
Northants
NN7 4QD
United Kingdom

Tel.: +44 (0) 1327 340601
Fax: +44 (0) 1327 342298
Email: info@homemix.com

Don't forget to check out our web page: "www.homemix.com"